

Single photon detection at SNOLAB and beyond

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Single photon detectors are used in a wide range of experiments at SNOLAB, from SNO, to DEAP-3600, and experiments on the horizon, nEXO and ARGO. The technology continues to evolve from vacuum Photo-multiplier tube to Silicon photo-multipliers, to the future “photon to bit” converter. I will review the evolution of the technology and highlights its relevance to ongoing and future experiments at SNOLAB and show how the technology can be used beyond asto-particle physics.

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